

Public Workshop

Proposed Amendments to Provisions for Automotive Windshield Washer Fluid in the Consumer Products Regulation

July 10, 2012



Overview

- Background
- Analysis to better characterize Type “A” areas
- Proposed amendments
- Impacts
- Schedule
- Future and ongoing activities

Consumer Products Program Background

- Defined as chemically formulated products used by household and institutional (I&I) consumers
- 5 regulations adopted for a variety of products including:
 - Cleaning Products
 - Aerosol Paint
 - Air Fresheners
 - Pesticides
 - Personal Care Products
 - Automotive Specialty Products

Consumer Products Program Background (continued)

- VOC emissions reduced by 225 tons per day when all limits are fully effective
- Plan to propose additional amendments next year
 - Aerosol Coatings and Aerosol Adhesives
 - Evaluation of provisions for Paint Thinner and Multi-purpose Solvent products
 - Automotive Windshield Washer Fluid products
 - Potentially moving forward this year to amend provisions for these products

Automotive Windshield Washer Fluid Background

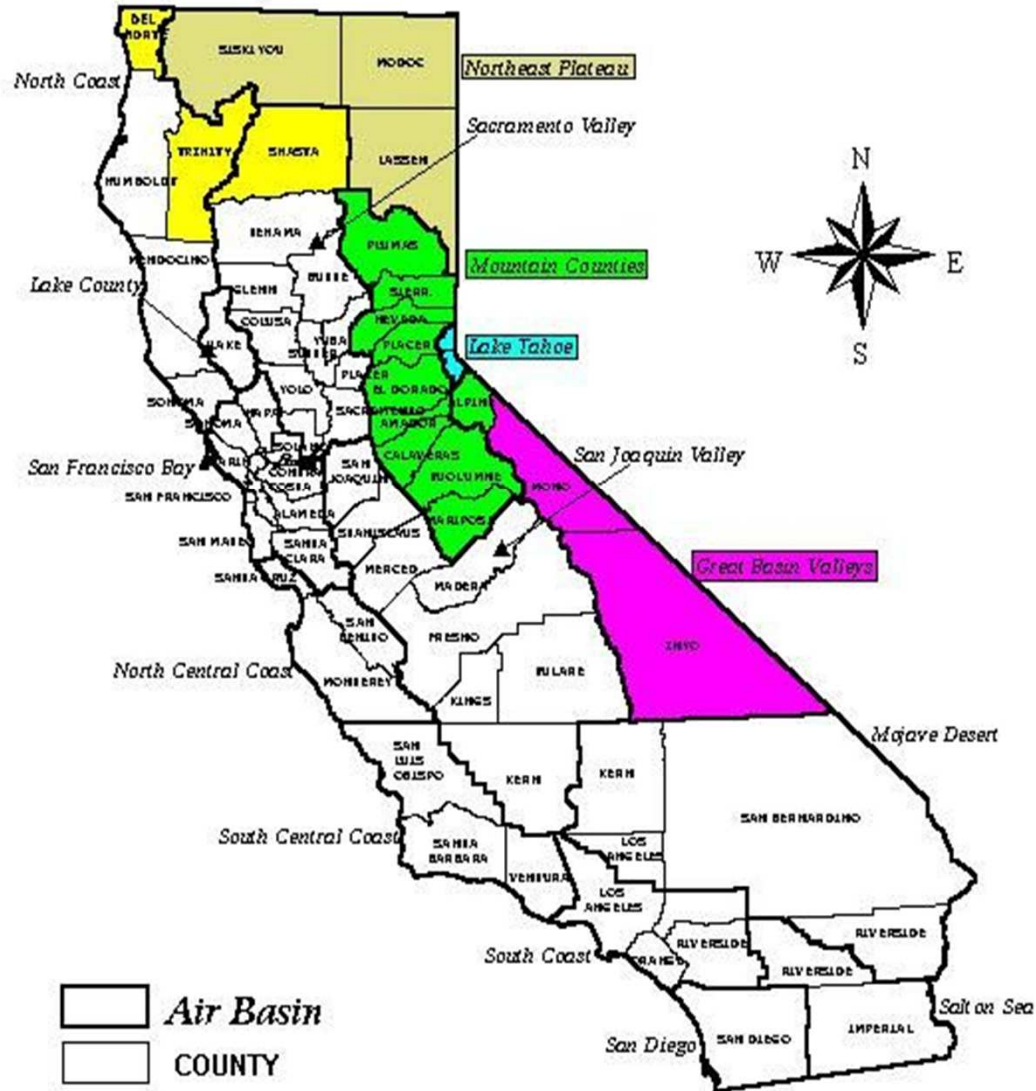
- Defined as liquids used in motor vehicle windshield washer fluid systems as an anti-freeze or for cleaning, washing, bug removal, or wetting the windshield
- Automotive Windshield Washer Fluid products (AWWF) first regulated under “Phase I” of the Consumer Products Regulation
 - VOC limits became effective on January 1, 1993

Automotive Windshield Washer Fluid Background (continued)

- AWWFs are regulated based on the areas of California where they are sold
 - Type “A” areas and all other areas
- Type “A” areas are regions of the State which experience freezing temperatures
- AWWFs sold as ready-to-use (pre-mixed) products and dilutable concentrated products (dilutables)

California's Air Basins & Counties

All colored areas are Type A Areas.



VOC Limits

Product Category	Effective Date	VOC Standard
Automotive Windshield Washer Fluid: Type "A" areas	1/1/1993	35
	12/31/2008	25
<hr/>		
Nontype "A" Areas	1/1/1993	10
	12/31/2002	1

Air Quality Benefits

- VOC limits for Automotive Windshield Washer Fluid products have reduced VOC emissions by over 25 tons per day (tpd)
 - 1993: 17 tpd
 - 2002: 8 tpd
 - 2008: 0.3 tpd

Automotive Windshield Washer Fluid Background (continued)

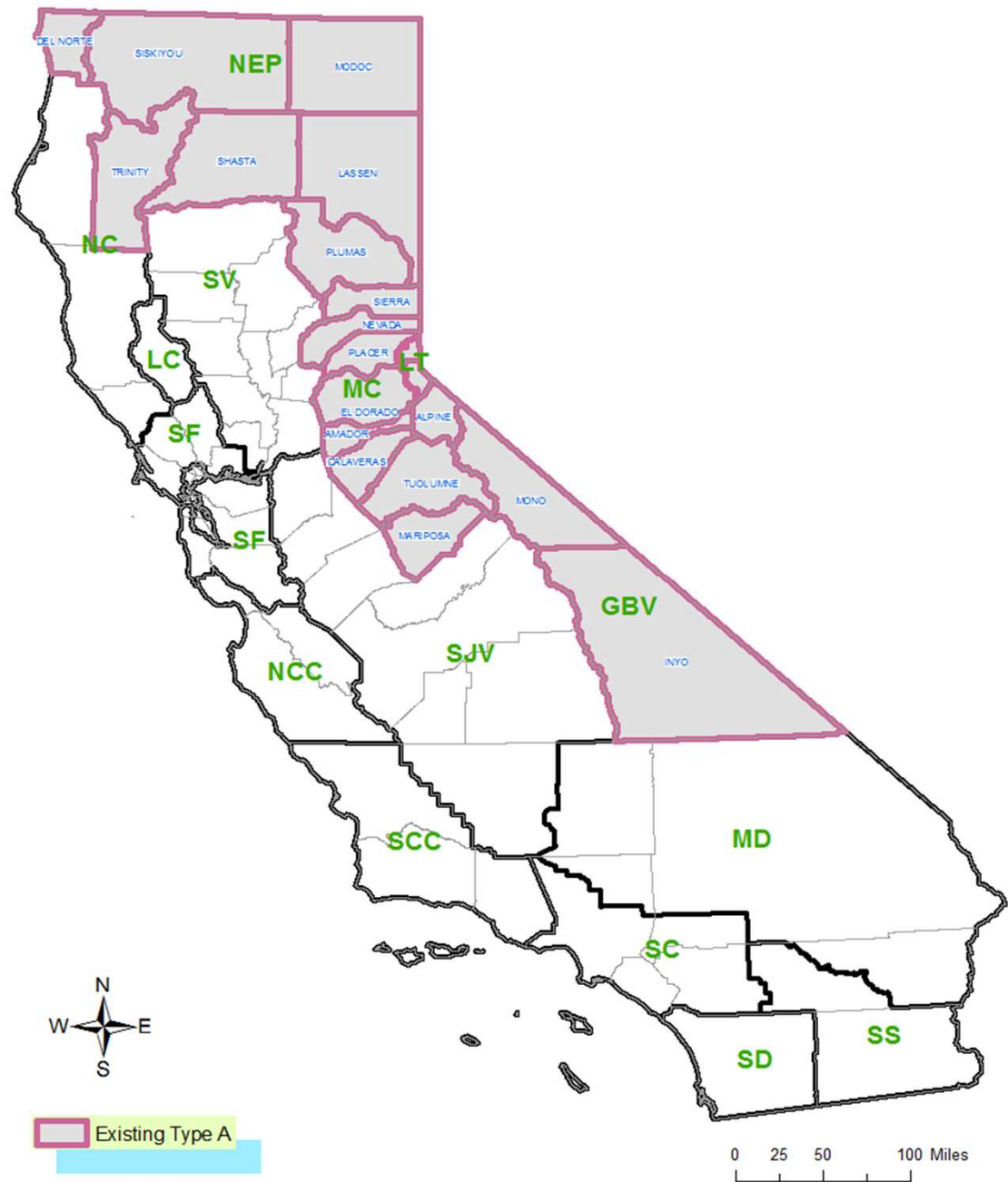
- Intent of regulations for AWWF products has always been to allow higher VOC content ready-to-use products in areas that have freezing temperatures in winter months
 - Necessary to prevent the fluid from freezing
- Current definition of Type “A” does not include all areas that routinely experience freezing temperatures

Analysis To Better Characterize Type “A” Areas

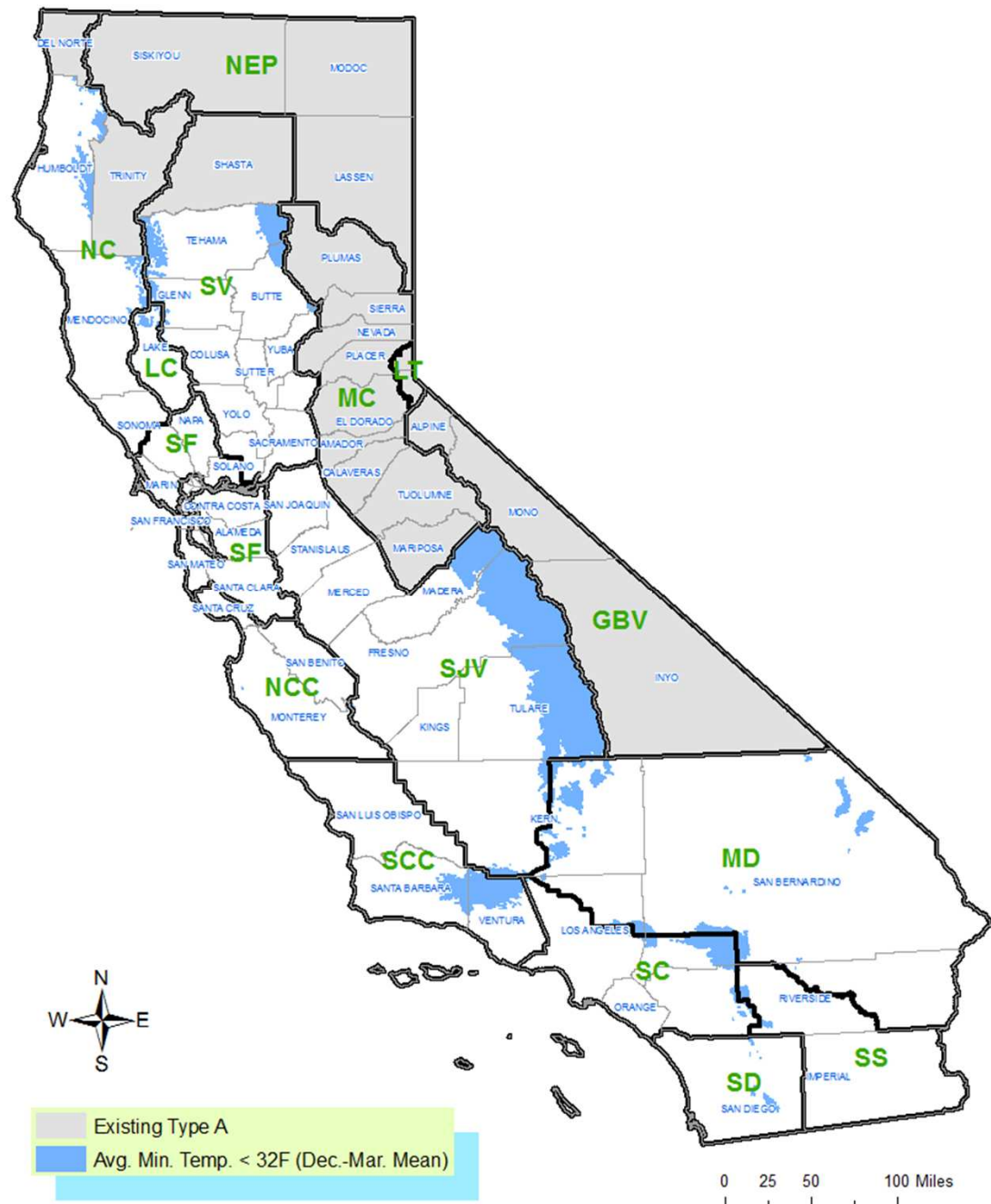
Data Used in our Analysis

- Meteorological Data (PRISM) (1971-2000)
 - Average low temperature < 32 degrees Fahrenheit
- Zip Code Data (Economic and Social Research Institute)
 - Geographical Information Systems (GIS) Analysis used
- Population Data (2010 Census)

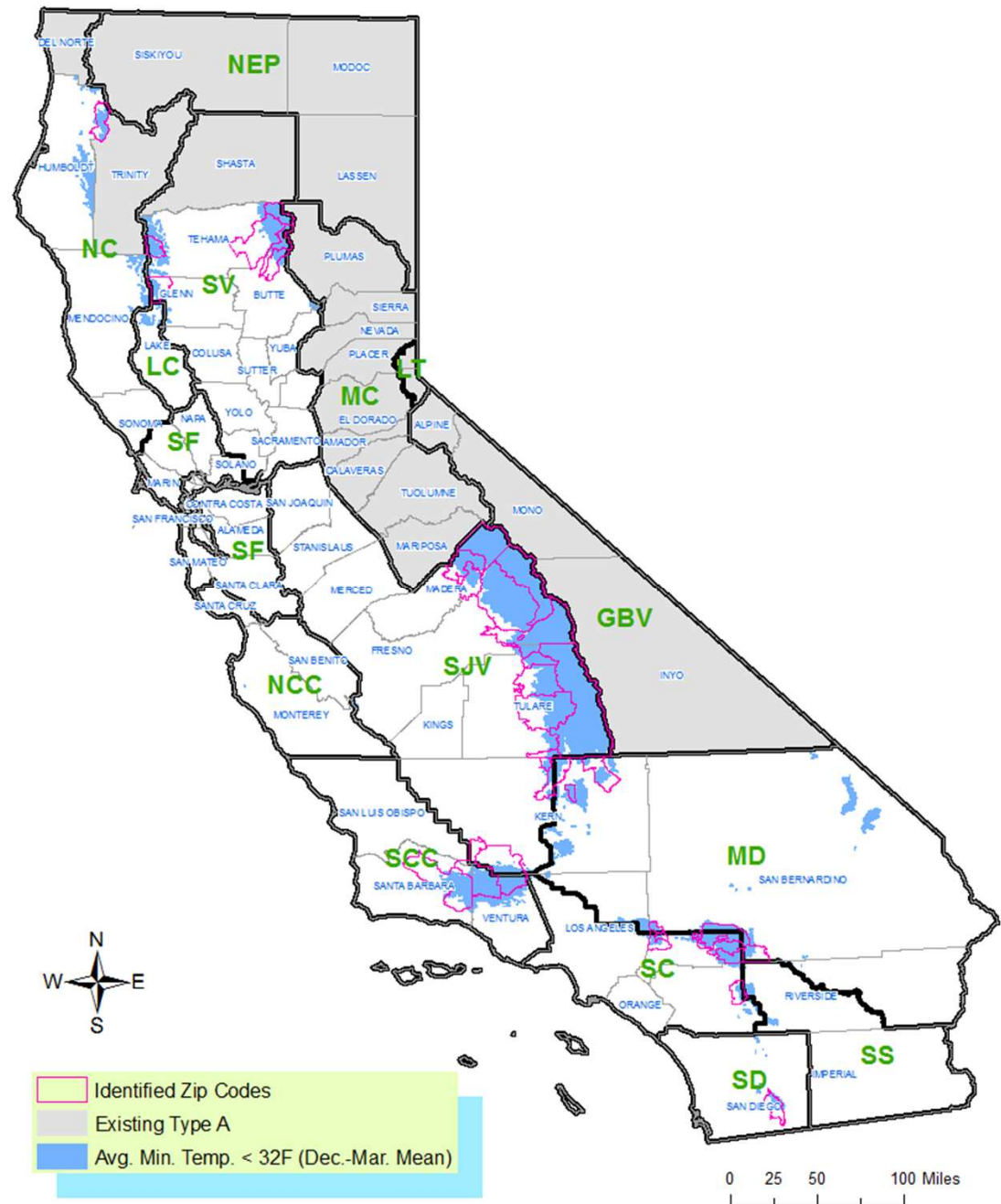
- Current Type “A” areas



- First identified additional areas of the State where the average minimum temperature is below 32 degrees between December and March



- Use Zip Codes to describe additional Type “A” areas



Proposed Amendments

Proposed changes to regulation can be found here:
<http://www.arb.ca.gov/consprod/regact/2012/2012ra.htm>

Staff Proposal

- Redefine Type “A” areas
 - Add definitions to section 94508(a) for Type “A” and Nontype “A” areas
 - Include table of added zip codes in definition of Type “A” areas
- Net result is to allow businesses in the expanded Type “A” area to offer for sale ready-to-use AWWF with a 25% VOC content

Zip Codes Proposed for Addition to Definition of Type “A”

County	ZIP Code	County	ZIP Code	County	ZIP Code
Butte	95954	Kern/Ventura	93252	San Bernardino	92358
Butte/Tehama	95942	Los Angeles/San Bernardino	91759	San Bernardino	92382
Fresno	00017	Madera	00020	San Bernardino	92385
Fresno	93621	Madera	93643	San Bernardino	92397
Fresno	93628	Madera	93644	San Diego	91962
Fresno/Madera	93664	Riverside	92549	Santa Barbara	00032
Fresno/Tulare	93633	San Bernardino	92256	Tehama	00037
Glenn	00047	San Bernardino	92305	Tehama	00038
Humboldt	00050	San Bernardino	92314	Tehama/Plumas	96063
Kern	00016	San Bernardino	92315	Tulare	00026
Kern	93255	San Bernardino	92317	Tulare	93260
Kern	93285	San Bernardino	92321	Tulare	93262
Kern/Ventura	93225	San Bernardino	92339	Tulare	93265
Kern/Ventura	93226	San Bernardino	92352	Tulare	93271

Staff Proposal For Dilutable Products

- Dilutable (concentrated) AWWF products are allowed to be sold statewide
 - Must include dilution language for Type “A” and Nontype “A” areas
- Proposal would clarify that labeling instructions may include language to inform the consumer to dilute the product for Type “A” areas if traveling to these areas in the winter

Impacts

- Economic
 - No anticipated economic impact
- Environmental
 - Small increase in VOC emissions
 - No other adverse impacts identified

Schedule

- For a fall rulemaking:
 - 45-day Notice released on September 1, 2012
 - Starts formal rulemaking process
 - Board Hearing October 18, 2012
 - Amendments would become effective upon Office of Administrative Law (OAL) approval

Future And Ongoing Activities

- Developing amendments to the regulations for Aerosol Coatings and Aerosol Adhesives
 - Amendments to be considered by the Board in 2013
- Technical Assessments:
 - Multi-purpose Lubricant
 - Penetrant
 - Paint Thinner
 - Multi-purpose Solvent

Contact Information

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Websites



- Air Resources Board website: <http://www.arb.ca.gov>
- ARB Automotive Windshield Washer Fluid website:
<http://www.arb.ca.gov/consprod/regact/awwf/awwf.htm>
- 2012 Consumer Products Regulation Amendments website:
<http://www.arb.ca.gov/consprod/regact/2012ra/2012ra.htm>
- Consumer Products website:
<http://www.arb.ca.gov/consprod/consprod.htm>
- Consumer Products Regulations website:
<http://www.arb.ca.gov/consprod/regs/regs.htm>
- Consumer Products List Server website:
<http://www.arb.ca.gov/listserv/listserv.php>